

Title (en)

POLYMER COMPOSITION AND MOLDINGS THEREOF

Title (de)

POLYMERZUSAMMENSETZUNG UND DARAUS HERGESTELLTE FORMKÖRPER

Title (fr)

COMPOSITION DE POLYMÈRES ET MOULAGES À BASE DE CETTE COMPOSITION

Publication

**EP 2130869 A1 20091209 (EN)**

Application

**EP 08738946 A 20080326**

Priority

- JP 2008055758 W 20080326
- JP 2007079195 A 20070326

Abstract (en)

[PROBLEMS] To provide a polymer composition that simultaneously has excellent paintability and high oil resistance and is also excellent in thin-wall moldability and flexibility; and a molded article produced by injection-molding of the composition and being suitable for composite-molded grips, automotive interior and exterior trims, and so on. [MEANS FOR SOLVING PROBLEMS] A polymer composition and a molded article that are comprising 33 to 67% by mass of a polybutylene terephthalate-based resin (A) and 67 to 33% by mass of an acrylic block copolymer (B); and in the acrylic block copolymer (B), two polymer blocks (b2) comprising a unit of methacrylic ester such as methyl methacrylate are bonded to the both ends of a polymer block (b1) comprising a unit of acrylic ester such as butyl acrylate, the total mass of the polymer block (b2) is 20 to 35% by mass with respect to the acrylic block copolymer (B), the weight-average molecular weight is 50000 to 100000, and the order-disorder transition temperature is 180 to 230°C.

IPC 8 full level

**C08L 53/00** (2006.01); **B60J 5/04** (2006.01); **B60R 13/02** (2006.01); **B60R 13/04** (2006.01); **C08L 67/02** (2006.01)

CPC (source: EP KR US)

**B32B 27/36** (2013.01 - KR); **B60R 13/02** (2013.01 - KR); **C08F 297/02** (2013.01 - EP US); **C08F 297/026** (2013.01 - EP US); **C08L 33/06** (2013.01 - KR); **C08L 53/00** (2013.01 - EP US); **C08L 67/02** (2013.01 - EP US); **C08L 67/03** (2013.01 - KR); **C09D 153/00** (2013.01 - EP US); **B60R 13/02** (2013.01 - EP US); **B60R 13/0256** (2013.01 - EP US); **B60R 13/04** (2013.01 - EP US); **Y10T 428/31786** (2015.04 - EP US)

Cited by

EP3865541A4

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 2130869 A1 20091209**; **EP 2130869 A4 20100331**; **EP 2130869 B1 20110720**; AT E517150 T1 20110815; CN 101641407 A 20100203; CN 101641407 B 20111026; JP WO2008123316 A1 20100715; KR 101136762 B1 20120420; KR 20090129484 A 20091216; US 2010119797 A1 20100513; US 8129030 B2 20120306; WO 2008123316 A1 20081016

DOCDB simple family (application)

**EP 08738946 A 20080326**; AT 08738946 T 20080326; CN 200880009373 A 20080326; JP 2008055758 W 20080326; JP 2008520665 A 20080326; KR 20097021949 A 20080326; US 53263808 A 20080326